



All Databases

PubMed

Nucleotide

Protein

Genome

Structure

OMIM

PMC

Journals

Books

Search PubMed

for

Go

Clear

☒ Limits

Preview/Index

History

Clipboard

Details

Limits: Publication Date from 1998 to 2000, Review

Display Abstract

Show 20

Sort by

Send to

☐ All: 1

Review: 1



About Entrez

Text Version

Entrez PubMed

Overview

Help | FAQ

Tutorial

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

LinkOut

My NCBI (Cubby)

Related Resources

Order Documents

NLM Catalog

NLM Gateway

TOXNET

Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

☐ 1: Immunol Res. 2000;21(2-3):159-65.**HUMANA PRESS**

SCIENTIFIC AND MEDICAL PUBLISHERS

Focal inflammation in the brain: role in Alzheimer's disease.**Cooper NR, Bradt BM, O'Barr S, Yu JX.**Department of Immunology, The Scripps Research Institute, La Jolla, CA 92037, USA.
nrcooper@scripps.edu

We hypothesize that amyloid (Abeta) peptide-containing neuritic plaques in the brains of patients with Alzheimer's disease represent chronic inflammatory foci mediated by the actions of the complement system and proinflammatory cytokines. In support of this, in vitro studies show that the (Abeta) peptide is a potent complement activator and that such complement activation leads to the formation of covalent (Abeta)-C3 activation fragment complexes, the generation of the chemokine-like C5a complement activation peptide, and the formation of the proinflammatory C5b-9 complex in functionally active form able to insert into neuronal cell membranes. Other studies show that C5a, together with (Abeta), synergistically augments the release of proinflammatory cytokines from human monocytes. These studies, which provide in vitro support for the hypothesis, are being pursued in an animal model of Alzheimer's disease.

Publication Types:

- Review
- Review, Tutorial

PMID: 10852113 [PubMed - indexed for MEDLINE]

Display Abstract

Show 20

Sort by

Send to

Write to the Help Desk

NCBI | NLM | NIH

Department of Health & Human Services

Privacy Statement | Freedom of Information Act | Disclaimer

Mar 29 2005 17:50:14